

Amended Abstract

~~The invention relates to a~~ A method for self-supported transfer of a fine layer, ~~wherein: in which~~ at least one species of ions is implanted in a source-substrate at a ~~given~~ specified depth in relation to the surface of the source-substrate ~~according to a certain dosage;~~ A a stiffener is applied, ~~which is~~ in intimate contact with the source-substrate, ~~is applied; said~~ and the source-substrate undergoes a heat treatment at a ~~given~~ specified temperature during a specified ~~given~~ period of time in order to create an embrittled, buried area substantially at ~~said given~~ the specified depth without causing ~~the a fine thin layer, defined between the surface and the embrittled buried layer in relation to the remainder of the source-substrate,~~ to become thermally detached; A a controlled localized energy pulse is applied to the source-substrate in ~~a temporarily localized manner~~ in order to cause the self-supported detachment of a fine ~~the thin layer which is defined between the surface and the embrittled buried layer in relation to the rest of the source-substrate.~~

ABSTRACT

A method for self-supported transfer of a fine layer, in which at least one species of ions is implanted in a source-substrate at a specified depth in relation to the surface of the source-substrate. A stiffener is applied in intimate contact with the source-substrate and the source-substrate undergoes a heat treatment at a specified temperature during a specified period of time in order to create an embrittled buried area substantially at the specified depth without causing a thin layer, defined between the surface and the embrittled buried layer in relation to the remainder of the source-substrate, to become thermally detached. A controlled localized energy pulse is applied to the source-substrate in order to cause the self-supported detachment of the thin layer.